

What is claimed is:

1. An image editing apparatus, comprising:

a recording medium for storing an image file and a scenario file, wherein the scenario file is formed by recording a replay order or a replay condition of the image file with a predetermined file format;

a scenario evaluating circuit for reading the scenario file from the recording medium and evaluating the replay order or the replay condition; and

an editor for editing the image file in response to an evaluation by the scenario evaluating circuit.

2. The image editing apparatus of claim 1, further including a recorder for recording the image file on the recording medium.

3. The image editing apparatus of claim 1, wherein the scenario file comprises at least one of a replaying speed of the image file, a number of repetitions for replaying the image file, a replay range of the image file, a special effect, and a replay of sound associated with the image file.

5 4. The image editing apparatus of claim 1, wherein the scenario file includes identification data indicating if other scenario files are recorded as part of the scenario file; and wherein the scenario evaluating circuit evaluates the replay order of the image files by following the corresponding scenario file in a hierarchical manner based on the identification data.

5 5. The image editing apparatus of claim 1, further including:
 a manual replay circuit for replaying the image files recorded in the recording medium according to an external replay operation; and
 a first scenario editor that records a sequence of manual steps as a replay order or
5 replay condition in the scenario file.

6. The image editing apparatus of claim 1, further including:
 an edit input unit for receiving the editing operation for the plurality of image files, and a second scenario making editor for recording a replay order or a replay condition as a scenario file based on the editing operation received from the editing input unit.

7. The image editing apparatus of claim 1, further including a corrector for detecting an inconsistency when the plurality of image files is replayed along with the scenario file, and for correcting the inconsistency according to one of a predetermined priority order or an externally input correction instruction.

8. The image editing apparatus of claim 1, wherein a replay mechanism replays image files take in from the recording medium according to the replay order or the replay condition evaluated by the scenario evaluating circuit.

9. The image editing apparatus of claim 1, wherein the recording medium further includes a first recording medium for storing the image file and a second recording medium for storing the scenario file.

10. An image recording and editing apparatus, comprising:

- a camera;
- a recording medium;
- a recorder;

5 an image file representing an image acquired by the camera and stored on the recording medium by the recorder;

- a scenario file stored on the recording medium;
- a display; and

10 a controller for controlling the display according to instructions stored in the scenario file and for controlling the recording of the images in the image file.

11. The image recording and editing apparatus of claim 10, further including:

- a lens for forming the image in the camera; and
- an imaging element for converting the image into digital form.

12. The image recording and editing apparatus of claim 10, further including:

- a common data bus;
- a microprocessor connected to the common data bus;
- an image memory connected to the common data bus;
- 5 a compression/decompression circuit connected to the common data bus;
- a display driver connected to the common data bus; and

a disk drive connected to the common data bus.

13. The image recording and editing apparatus of claim 10, wherein the recorder includes a disk drive.

14. The image recording and editing apparatus of claim 13, wherein the disk drive is an optical disk drive, and the recording medium is an optical recording medium.

15. The image recording and editing apparatus of claim 10, wherein the controller is a microprocessor-based controller.

16. The image recording and editing apparatus of claim 10, further including a control panel interfacing with the controller.

17. The image recording and editing apparatus of claim 10, further including an image compression/decompression circuit for compressing/decompressing the images.

18. The image recording and editing apparatus of claim 10, further including a display driver to drive the display.

19. The image recording and editing apparatus of claim 10, wherein the scenario file is formed by recording at least one of a replay order or a replay condition of the image file.

20. The image recording and editing apparatus of claim 10, wherein the scenario file comprises at least one of a replaying speed of the image file, a number of repetitions for replaying the image file, a replay range of the image file, a special effect, and a replay of sound associated with the image file.

21. The image recording and editing apparatus of claim 10, wherein the scenario file further optionally includes identification data indicating if other scenario files are recorded as part of the scenario file; and

wherein the recording and editing apparatus further optionally includes a scenario evaluating circuit for evaluating the replay order of the image files by following the corresponding scenario file in a hierarchical manner based on the identification data.

22. The image recording and editing apparatus of claim 10, further including:

- a manual replay circuit for replaying the image files recorded in the recording medium according to an external replay operation; and
- a first scenario making editor that automatically records a sequence of manual steps as a replay order or replay condition in the scenario file.

23. The image recording and editing apparatus of claim 10, further including:
an edit input unit for receiving the editing operation for the plurality of image
files, and a second scenario making editor that records a replay order or a replay condition as a
scenario file based on the editing operation input via the edit input unit.

24. The image recording and editing apparatus of claim 10, wherein the controller
resolves inconsistencies in the scenario file according to one of a predetermined priority order or
an externally supplied instruction.

25. The image recording and editing apparatus of claim 10, wherein thumbnail images
are displayed on the display to represent image files and scenario files.

26. The image recording and editing apparatus of claim 10, further including external
controls for controlling display of images on the display, and wherein the controller further edits
the image files in response to the external controls.

27. An image recording and editing apparatus, comprising:

a camera;

an image memory for storing images received by the camera and connected to a common data bus;

5 a recording medium;

a disk drive positioned to record data on the recording medium and connected to the common data bus;

a display for displaying images received by the camera;

a display driver for driving the display and connected to the common data bus;

10 a microprocessor connected to the common data bus for controlling the display in response to a scenario file, wherein the images are recorded on the recording medium as image files by the recorder in response to commands from the controller and instructions stored in a scenario file; and

a compression/decompression circuit connected to the common data bus.

28. The image recording and editing apparatus of claim 27, further including:

a plurality of image files;

a plurality of scenario files, wherein each image has a corresponding scenario file, and wherein the plurality of scenario files and the plurality of image files are arranged 5 hierarchically.

29. A method of capturing and editing images, comprising the steps of:
capturing a first image;
storing the first image on a recording medium;
creating a control instruction;
storing the control instruction as a scenario file; and
displaying the first image, wherein the first image is modified according to the
scenario file.

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30. The method of claim 29, further including the steps of:
capturing a plurality of images;
storing the plurality of images on the recording medium; and
creating a plurality of control instructions, wherein each of the plurality of image
files has a corresponding control instruction.

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31. The method of claim 30, further including the step of creating a plurality of
scenario files, wherein each of the plurality of scenario files corresponds to at least one of the
plurality of image files.

32. The method of claim 31, wherein the plurality of scenario files are constructed in
a hierarchical manner.

33. The method of claim 29, wherein the step of creating the control instruction includes the step of creating a scenario file and storing the scenario file on the recording medium.

34. The method of claim 33, wherein the step of creating the scenario file includes a step of storing a plurality of instructions in the scenario file.

35. The method of claim 34, wherein the step of displaying the first image includes a step of resolving possible inconsistencies between each one of the plurality of instructions in the scenario file.

36. The method of claim 33, wherein the step of creating a scenario file includes the step of storing the scenario file on the recording medium.

37. The method of claim 29, wherein the step of capturing the first image captures the first image with a camera.

38. The method of claim 29, wherein the step of storing the first image on a recording medium stores the image on a magneto-optical recording medium.

39. The method of claim 29, wherein the step of storing the first image on a recording medium stores the image on a disk-shaped recording medium using a disk drive.

40. The method of claim 29, wherein the step of capturing the first image includes a step of compressing a digital representation of the first image.

41. The method of claim 29, wherein the step of creating the control instruction creates the control instruction in response to an external input.

42. The method of claim 29, wherein the step of creating the control instruction includes recalling an instruction from memory by a microprocessor.

43. The method of claim 29, wherein the step of displaying the first image includes the step of decompressing a digital representation of the image stored as an image file on the recording medium.

44. The method of claim 29, wherein the control instruction includes at least one of a replay, a delay, a special effect, or a replay order.

45. An image reproducing apparatus, comprising:

 a memory for storing an image file including moving image data and a scenario file, wherein the scenario file includes a reproduction start point and a reproduction end point of the moving image data of the image file; and

 a reproducer for reproducing the moving image data in accordance with the reproduction start point and the reproduction end point.

46. The image reproducing apparatus according to claim 45, wherein the scenario file includes frame number information corresponding to frame numbers of the moving image data.

47. The image reproducing apparatus according to claim 45, wherein the image file includes time stamp data, and the scenario file includes time information corresponding to the time stamp data.

48. An image reproducing apparatus, comprising:

an image file including moving image data, a reproduction start point of the moving image data, and a reproduction end point of the moving image data;

a memory for storing the image file; and

5 a reproducer for reproducing the moving image data in accordance with the reproduction start point and the reproduction end point.

49. The image reproducing apparatus of claim 48, further including a scenario file stored in the memory, wherein the scenario file includes at least one of a replaying speed of the image file, a number of repetitions for replaying the image file, a replay range of the image file, a special effect, and a replay of sound associated with the image file.

50. An image reproducing apparatus, comprising:

a memory for storing moving image data, a reproduction start point of the moving image data, and a reproduction end point of the moving image data; and

a reproducer for reproducing the moving image data in accordance with the reproduction start point and the reproduction end point.

51. The image reproducing apparatus of claim 50, wherein the moving image data is stored in an image file, and the reproduction start point of the moving image data and the reproduction end point of the moving image data are stored in a scenario file.

52. The image reproducing apparatus of claim 50, wherein the moving image data, the reproduction start point of the moving image data and the reproduction end point of the moving image data are stored in an image file, wherein the image file is stored in the memory.

53. The image reproduction apparatus of claim 52, further including a scenario file stored in the memory, wherein the scenario file includes at least one of a replaying speed of the image file, a number of repetitions for replaying the image file, a replay range of the image file, a special effect, and a replay of sound associated with the image file.